Oil & Chemical Pollution **3** (1986/87) 505–508

CONTENTS OF VOLUME 3

Number 1

Editorial 1

Use of Airborne Microwave Radiometry for the Detection and Investigation of Oil Slicks at Sea 5
N. HURFORD (UK)

Chemical Dispersion of Oil. Comparison of the Effectiveness Results Obtained in Laboratory and Small-scale Field Tests 19
PER S. DALING and RAINER G. LICHTENTHALER (Norway)

The Relationship Between Oil Droplet Size and the Toxicity of Dispersant/Oil Mixtures in the Standard MAFF 'Sea' Test 37
F. L. FRANKLIN and R. LLOYD (UK)

SCOOP: Scicon's Control of Oil Pollution 53
MELANIE PAGE and ELIZABETH STAMPS (UK)

Models for Calculating Oil Spill Damages to Shores 69
KNUT L. SEIP, KJELL ARNE BREKKE, KARI KVESETH and HARALD IBREKK (Norway)

Notes for Authors 83

Number 2

Evaluation of Dispersant Effectiveness 87
D. CORMACK, B. W. J. LYNCH and B. D. DOWSETT (UK)

The Use of Flow-through Techniques to Determine Sub-surface Concentrations of Oil 105
N. HURFORD and I. BUCHANAN (UK)

Plasmid Mediated Degradation of Hydrocarbons in Estuarine Bacteria . . . 117
GIDEON C. OKPOKWASILI, CHARLES C. SOMERVILLE, MARGERY SULLIVAN, D. JAY GRIMES and RITA R. COLWELL (USA)

Oil & Chemical Pollution (3) (1987) — © Elsevier Applied Science Publishers Ltd, England, 1987. Printed in Ireland.

A Study of the Sediments and Communities in Milford Haven, Wales . . . 131
D. M. ROSTRON, D. I. LITTLE and S. E. HOWELLS (Wales)

Equipment Report 167

Book Reviews 171

Number 3

Editorial 175

Airborne Surveillance: The Role of Remote Sensing and Visual Observation . 181
R. C. SCHRIEL (The Netherlands)

Surveillance of Oil Slicks at Sea with US Coast Guard Airborne Remote Sensing Equipment 191
L. H. SMITH and D. V. VENNE (USA)

The Danish State-of-the-Art Airborne Oil Pollution Monitoring System . . 203
BENNY MØLLER SØRENSEN (Denmark)

The Swedish Airborne Remote Sensing System for Maritime Surveillance . . 209
BJÖRN LOOSTRÖM (Sweden)

A Detailed Evaluation of the Maritime Surveillance System for Oil Slick Detection . 231
N. HURFORD and D. TOOKEY (UK)

Current Operational Airborne Surveillance Activities in the Federal Republic of Germany, The Netherlands, Norway, Sweden and the United Kingdom . . 245
Edited by D. CORMACK and N. HURFORD (UK)

Number 4

Dispersion of Crude Oil in Seawater: The Role of Synthetic Surfactants . . 257
CHARLES BROCHU, EMILIEN PELLETIER, GASTON CARON and JACQUES E. DESNOYERS (Canada)

Chemical Industry Emergency Response Mutual Aid in America 281
JOE J. MAYHEW (USA)

Oil Exploration and Production: Impact on the North Sea. 289
B. DICKS (UK), T. BAKKE (Norway) and I. M. T. DIXON (UK)

Operational Oil Discharges from Ships: Impact on the North Sea 307
D. CORMACK and D. FOWLER (UK)

Technical Report 327

Number 5

Oily Smell and Oil Components in Fish Flesh Reared in Seawater Containing Heavy Oil 329
MASANA OGATA, YOSHIO MIYAKE, KUNIYASU FUJISAWA, TSUGITOSHI OGURA and MIKIO ARAMAKI (Japan)

Plan of the European Communities for Dealing with Pollution of the Sea by Oil and Other Hazardous Substances 343
DOUGLAS CORMACK (UK)

Laser Ignition of Arctic Marine Oil Spills 355
M. B. FRISH, M. A. DEFACCIO, P. E. NEBOLSINE and G. A. SIMONS (USA)

Accumulation and Retention of No. 2 Fuel Oil Compounds in the Blue Crab, *Callinectes sapidus* Rathbun 367
BRIAN D. MELZIAN and JAMES LAKE (USA)

Number 6

Guest Editorial 401

The Effectiveness of Chemical Dispersants: A Discussion of Laboratory and Field Test Results 405
D. MACKAY and A. CHAU (Canada)

The Use of Oil-spill Dispersants: Some Views from the UK 417
A. C. TURNER (UK)

Dispersant Effectiveness Evaluation in a Dynamic Flow-through System: The IFP Dilution Test 433
CHRISTIAN BOCARD and GILLES CASTAING (France)

Correlation Results Between IFP and WSL Laboratory Tests of Dispersants . . 445
A. GILLOT, A. CHARLIER and R. VAN ELMBT (Belgium)

The 1985 Full Scale Experimental Oil Spill at Haltenbanken, Norway . . . 455
STEIN ERIK SØRSTRØM (Norway)

Summary of Protecmar Experiments, the French Dispersant Offshore Trials Program 471
CHRISTIAN BOCARD, GILLES CASTAING, JEAN DUCREUX, CLAUDE GATELLIER, JEAN CROQUETTE and FRANÇOIS MERLIN (France)

A Study of Chemicals to Inhibit Emulsification and Promote Dispersion of Oil Spills 485
I. A. BUIST and S. L. ROSS (Canada)